IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Guido KRUPP

Art Unit:

1635

Appln. No.:

10/526,487

Examiner:

To Be Assigned

Int'l Filing Date:

September 2, 2003

Confirmation No.:

1084

For:

Improved Methods for the Synthesis of

Nucleic Acids

Atty. Docket:

19006.005

Information Disclosure Statement

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The attention of the Examiner is invited to the references listed on the attached Form PTO-1449.

Copies of the foreign and non-patent references listed on pages 2-5 are submitted herewith.

Copies of the U.S. patents and published applications listed on page 1 of the attached Form PTO-1449 are not submitted herewith, in accordance with the Strategic Plan Final Rule, 69 Fed. Reg 56481-56547 (September 21, 2004), effective October 21, 2004.

Further, Applicants wish to bring to the attention of the Examiner, the following copending applications:

U.S. Application No. 09/937,519
 371 (c) Filing Date: March 5, 2002

Entitled: Detection of Nucleic Acid Amplified Products;

U.S. Applica No. 10/526,487 Guido KRUPP Page 2

2. U.S. Application No. 10/516,007
371 (c) Filing Date: June 8, 2005
Entitled: Applified of Bibarushia As

Entitled: Amplified of Ribonucleic Acids;

3. U.S. Application No. 60/712,820

Filed: September 1, 2005

Entitled: Universal Method for Selective Amplification of mRNAs

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Certification and/or Fee

Because this Information Disclosure Statement is being submitted prior to issuance of the first action on the merits of the above-captioned application, no certification or fee is required.

Respectfully submitted,

David R. Marsh (Reg. No. 41,408)

Rachel L. Adams (Reg. No. 54,660)

Rachel L. adams

Date: March 14, 2006

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ARNOLD & PORTER LLP 555 Twelfth Street, N.W. Washington, D.C. 20004-1206 (202) 942-5000 telephone (202) 942-5999 facsimile

			ATTY. DOCKET NO.	PLICATION NO.			
			19006.005	10/526,487			
	FORM PTO-1449		APPLICANTS				
INFORMATION DISCLOSURE STATEMENT			Guido KRUPP				
			INT'L FILING DATE	GROUP			
			September 2, 2003	1635			
		U.S. PATEN	NT DOCUMENTS				
NER	DOCUMENT NUMBER	DATE	NAME	REFERENCE PROVIDED*			

		1 = 1 = 1	U.S. PATENT	DOCUMENTS	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	REFERENCE PROVIDED*
	AA1	4,683,195	07/28/1987	Mullis et al.	not required, per 69 Fed. Reg. 56481
	AB1	4,683,202	07/28/1987	Mullis	not required, per 69 Fed. Reg. 56481
-	AC1	5,130,238	07/14/1992	Malek et al.	not required, per 69 Fed. Reg. 56481
	AD1	5,256,555	10/26/1993	Milburn et al.	not required, per 69 Fed. Reg. 56481
	AEI	5,262,311	11/16/1993	Pardee et al.	not required, per 69 Fed. Reg. 56481
	AFI	5,407,800	04/18/1995	Gelfand et al.	not required, per 69 Fed. Reg. 56481
	AG1	5,459,037	10/17/1995	Sutcliffe et al.	not required, per 69 Fed. Reg. 56481
	AH1	5,514,545	05/07/1996	Eberwine	not required, per 69 Fed. Reg. 56481
	AI1	5,545,522	08/13/1996	Van Gelder et al.	not required, per 69 Fed. Reg. 56481
	AJ1	5,561,058	10/01/1996	Gelfand et al.	not required, per 69 Fed. Reg. 56481
	AK1	5,599,672	02/04/1997	Liang	not required, per 69 Fed. Reg. 56481
	AL1	5,665,547	09/09/1997	Pardee et al.	not required, per 69 Fed. Reg. 56481
	AM1	5,716,785	02/10/1998	Van Gelder et al.	not required, per 69 Fed. Reg. 56481
	AN1	5,780,273	07/14/1998	Burg	not required, per 69 Fed. Reg. 56481
	A01	5,891,636	04/06/1999	Van Gelder et al.	not required, per 69 Fed. Reg. 56481
	AP1	5,932,451	08/03/1999	Wang et al.	not required, per 69 Fed. Reg. 56481
	AQ1	5,958,688	09/28/1999	Eberwine et al.	not required, per 69 Fed. Reg. 56481
-	AR1	5,965,409	10/12/1999	Pardee et al.	not required, per 69 Fed. Reg. 56481
	AS1	5,972,607	10/26/1999	Kondo et al.	not required, per 69 Fed. Reg. 56481
	ATI	6,090,589	07/18/2000	Dimond et al.	not required, per 69 Fed. Reg. 56481
	AUI	6,132,997	10/17/2000	Shannon	not required, per 69 Fed. Reg. 56481
	AV1	6,291,170 B1	09/18/2001	Van Gelder et al.	not required, per 69 Fed. Reg. 56481
	AW1	US 6,361,949 B1	03/26/2002	Sommer	not required, per 69 Fed. Reg. 56481
	AX1	US 6,379,932 B1	04/30/2002	Arnold et al.	not required, per 69 Fed. Reg. 56481
	AY1	US 2003/0129624 A1	07/10/2003	Eastman et al.	not required, per 69 Fed. Reg. 56481
	AZ1	US 2005/0009027 A1	01/13/2005	Krupp et al.	not required, per 69 Fed. Reg. 56481
XAMINER					DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

^{*}Copies of the listed references are either submitted herewith or were previously cited by or submitted to, the Office in a prior application. Pursuant to 37 C.F.R. § 1.97(d) and MPEP §609, the indicated reference may have been previously cited by or submitted to, the Office in a prior application, where the prior application is identified by its U.S. Application Number in this Information Disclosure Statement.

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				INT'L FILING DATE GROUP					_
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			FOREIGN PA	TENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	REFERENCE PROVIDED*		TRANSLA	TION	
	AA2	0 201 184 A2	12/17/1986	ЕРО	submitted herewith		Yes No		
	AB2	EP 0 592 626 B1	01/29/2003	ЕРО	submitted here	with		_	Yes No
	AC2	EP 1 275 734 A1	01/15/2003	EPO	submitted herewith				Yes No
	AD2	JP 2843675 B2	01/06/1999	Japan; nat'l phase of WO 93/18176 A1, submitted herewith	submitted herewith			х	Yes No
	AE2	WO 92/08800 A1	05/29/1992	PCT	submitted here	with			Yes No
	AF2	WO 93/18176 A1	09/16/1993	PCT	submitted here	with			Yes No
	AG2	WO 00/18966 A2	04/06/2000	PCT	submitted here	with			Yes No
	AH2	WO 00/18966 A3	07/27/2000	PCT	submitted here	with			Yes No
	AI2	WO 00/58505 A1	10/05/2000	PCT	submitted here	with			Yes No
	AJ2	WO 00/75356 A1	12/14/2000	PCT	submitted here	with			Yes No
	AK2	WO 01/71036 A2	09/27/2001	PCT	submitted here	with		•	Yes No
	AL2	WO 01/071036 A3	10/24/2002	PCT	submitted here	with			Yes No
	AM2	WO 03/020873 A2	03/13/2003	PCT	submitted here	with	(abstract only)	X	Yes No
	AN2	WO 03/102232 A2	12/11/2003	PCT	submitted here	with	(abstract only)	X	Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.) REFERENCE PROVIDED* Baugh et al., "Quantitative analysis of mRNA amplification by in vitro A02 submitted herewith transcription", Nucleic Acids Research, 29(5):1-9 (2001) Berger et al., "Reverse Transcriptase and Its Associated Ribonuclease H: Interplay AP2 of Two Enzyme Activities Controls the Yield of Single-Stranded Complementary submitted herewith Deoxyribonucleic Acid", Biochemistry, 22(10):2365-2372 (1983) Boularand et al., "The Human Tryptophan Hydroxylase Gene: an Unusual AQ2 Splicing Complexity in the 5'-Untranslated Region", J. Biol. Chem., 270(8):3748submitted herewith 3756 (1995)

EXAMINER DATE CONSIDERED

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		FORM PTO-1449	APPLICANTS	
<u>II</u>	VFORMA'	TION DISCLOSURE STATEMENT	Guido KRUPP	
-			INT'L FILING DATE	GROUP
			September 2, 2003	1635
		OTHER (Including Author, Title, Date, Pertine	nt Pages, etc.)	REFERENCE PROVIDED*
	AA3	Eberwine et al., "Analysis of gene express Acad. Sci. USA, 89:3010-3014 (1992)	sion in single live neurons", Proc. Nata	submitted herewith
	AB3	Feinberg et al., "A Technique for Radiolal Fragments to High Specific Activity", And (1983)		submitted herewith
	AC3	Frohman et al., "Rapid production of full- Amplification using a single gene-specific Acad. Sci. USA, 85:8998-9002 (1988)		submitted herewith
	AD3	Hames et al. (Eds.), Nucleic acid hybridisa Approach Series), IRL Press Ltd., pp. 179-		submitted herewith
	AE3	Hanne et al, "Fluorescence resonance ene reactions in real time", Nucleosides & Nuc		submitted herewith
	AF3	International Search Report, Application N	No. PCT/EP99/07127 (April 7, 2000)	submitted herewith
	AG3	International Search Report, Application N	No. PCT/EP02/09348 (August 22, 200	3) submitted herewith
	АН3	International Search Report, Application N 2003)	No. PCT/EP03/05579 (December 12,	submitted herewith
	AI3	International Search Report, Application N	No. PCT/EP03/09756 (March 4, 2004)	submitted herewith
	AJ3	Jenne et al., "Real-Time Characterization Resonance Energy Transfer (FRET)", Ang (1999)		submitted herewith
	AK3	Konarska et al., "Replication of RNA by t of Phage T7", Cell, 57:423-431 (1989)	he DNA-Dependent RNA Polymerase	submitted herewith
AL3 Konarska et al., "Structure of RNAs Re Polymerase", Cell, 63:609-618 (1990)			cated by the DNA-Dependent T7 RN	submitted herewith
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•		OTHER (Including Author, Title, Date, Pertir	nent Pages, etc.)		REFERENCE PROVIDED*	
	AA4	Krupp, "Stringent RNA quality control usi Application Note, Agilent Technologies (2	submitted herewith			
	AB4	Krupp, "Unusual promoter-independent tra RNA polymerases", Nucleic Acids Research	submitted herewith			
	AC4	Kuhn et al., "Specific interaction of the mu TTF I with class-I RNA polymerases", Na	submitted herewith			
	AD4	Liang et al., "Differential Display of Euka Polymerase Chain Reaction", Science, 257	submitted herewith			
	AE4	Lockhart et al., "Expression monitoring by oligonucleotide arrays", Nature Biotechno	submitted herewith			
	AF4	Löffler et al., Biochemie und Pathobiochemie, pp. 150-154, Springer-Verlag (1998)			submitted herewith	
	AG4	Mathieu-Daudé et al., "DNA rehybridization during PCR: the 'Cot effect' and its consequences", Nucleic Acids Research, 24(11):2080-2086 (1996)			submitted herewith	
	AH4	Milligan et al., "Synthesis of Small RNAs Using T7 RNA Polymerase", Methods in Enzymology, Vol. 180, pp. 51-62, Academic Press, Inc. (1989)			submitted herewith	
	AI4	Mueller et al., "RNA Integrity Number (R Control", Application Note, Agilent Techr	submitted herewith			
	AJ4	Pezo et al., "Hypermutagenic in vitro transcription employing biased NTP pools and manganese cations", Gene, 186:67-72 (1997)			submitted herewith	
	AK4	Poirier et al., "Screening differentially expressed cDNA clones obtained by differential display using amplified RNA", Nucleic Acids Research, 25(4):913-914 (1997)			submitted herewith	
	Puskás <i>et al.</i> , "RNA Amplification Results in Reproducible Microarray Data with Slight Ratio Bias". <i>BioTechniques</i> , 32(6):1330-1340 (2002)				submitted herewith	

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	-	OTHER (Including Author, Title, Date, Pert	inent Pages, etc.)	REFERENCE PROVIDED*
	AA5	Richmond et al., "Genome-wide express Nucleic Acids Research, 27(19):3821-38.	submitted herewith	
	AB5	Saiki et al., "Enzymatic Amplification of Restriction Site Analysis for Diagnosis o 230:1350-1354 (1985)	submitted herewith	
	AC5	Sargent, "Isolation of Differentially Expr Vol. 152, pp. 423-432, Academic Press, I	y submitted herewith	
	AD5	Sarkar et al., "Access to a Messenger RN Limited by Tissue or Species Specificity"	Not submitted herewith	
	AE5	Stoflet et al., "Genomic Amplification w 239:491-494 (1988)	submitted herewith	
	AF5	Van Gelder et al., "Amplified RNA synth heterogeneous cDNA", Proc. Natl. Acad.	submitted herewith	
	AG5	Wyatt et al., "Synthesis and Purification of Oligonucleotides", BioTechniques, 11(6)		submitted herewith
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